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AMERICAN PETROLEUM INSTITUTE
U.S. REFINERY CAPACITY SHUTDOWN INOPERABLE
1981 THROUGH 1985

Finance, Accounting and Statistics Department

FEBRUARY 1987

American
Petroleum
Institute

U.S. REFINERY CAPACITY SHUTDOWN INOPERABLE

REFINERY	Location City	State	Crude Cp. B/CD Shutdown	Shut-down Date	Date of Last Operation	CHARGE (Barrels per) Vacuum Distil-lation	Thermal Operation	Catalytic Cracking (Fresh)	Catalytic Cracking (Recycle)
PAD District 1:									
1. American Refining Group Inc.	Indianola	PA	180	12/85	3/84	-	-	-	-
2. Amoco Oil Company	Baltimore	MD	15,000	3/82	1/82	-	-	-	-
3. Ashland Oil Inc.	Buffalo	NY	64,000	7/82	12/84	28,000	-	22,000	-
" " "	"	"				-	-	-	-
4. Ashland Oil Inc.	Freedom	PA	6,800	12/85	4/85	3,600	-	-	-
5. AIC Petroleum Inc.	Newington	NH	13,400	12/81	7/81	-	-	-	-
6. AIC Petroleum Inc.	Wilmington	NC	11,900	12/81	7/81	-	-	-	-
7. Elk Refining Co. (Pennzoil)	Falling Rock	WV	5,600	1/83	12/82	-	-	-	-
8. Manatee Energy Company	Port Manatee	FL	28,400	10/81	5/81	-	-	-	-
9. Mobil Oil Corporation	Buffalo	NY	43,000	7/81	5/81	18,000	-	19,000	6,000
10. Quaker State Oil & Refining Corp.	Emlenton	PA	0	12/83	12/83	1,580	-	-	-
Total			188,280			51,180	-	41,000	6,000
PAD District 2:									
1. Allied Materials Corp.	Stroud	OK	7,600	2/85	12/84	2,500	-	-	-
2. Amoco Oil Company	Wood River	IL	104,000	10/81	5/81	34,000	-	38,000	4,000
3. Amoco Oil Company	Sugar Creek	MO	104,000	6/82	5/82	40,000	14,000[1]	42,000	12,000
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" " "	" " "					-	-	-	-
4. Ashland Oil Inc.	Findlay	OH	20,400	2/82	12/84	12,000	-	-	-
5. Ashland Oil Inc.	Louisville	KY	25,200	12/84	4/82	13,000	-	10,000	-
6. BT Energy Corp.	Louisville	KY	3,000	11/85	11/84	-	-	-	-
7. Champlin Petroleum Company	Enid	OK	53,800	12/83	6/83	16,500	7,000[1]	20,000	-
8. Conoco Inc.	Wrenshall	MN	23,500	9/81	5/81	9,000	-	9,500	-
9. CRA, Inc.	Scottsbluff	NE	5,600	6/82	5/82	2,400	-	-	500
10. Dilman Oil Recovery Inc.	Oblong	IL	1,200	2/82	1/81	-	-	-	-
11. Dow Chemical U.S.A.	Bay City	MI	20,000	9/81	5/80	-	-	-	-
12. E-Z Serv Refining Inc.	Shallow Water	KS	9,500	2/82	4/81	-	-	-	-
13. Energy Cooperative Inc.	East Chicago	IN	126,000	6/82	5/81	55,000	-	45,000	5,000
" " "	" "	"				-	-	-	-
14. Energy Development Inc.	Crossville	IL	1,000	4/81	2/81	-	-	-	-
15. Gulf Oil Corporation	Toledo	OH	50,300	11/81	6/81	12,500	-	19,800	2,000
" " "	"	"				-	-	-	-
16. Hudson Refining Company Inc.	Cushing	OK	19,000	11/83	12/82	-	-	7,500	-
17. Indiana Refining Inc.	Princeton	IN	5,000	2/81	12/80	-	-	-	-
18. Industrial Fuel & Asph./Ind. Inc.	Hammond	IN	7,600	6/82	12/81	-	-	-	-
19. Mid-America Refining Company Inc.	Chanute	KS	3,000	7/82	3/81	-	-	-	-
20. Mobil Oil Corporation	Augusta	KS	50,000	9/83	9/83	20,300	4,100[7]	22,100	2,000
" " "	"	"				-	-	-	-
21. Northland Oil & Refining Company	Dickinson	ND	5,000	2/82	2/81	-	-	-	-
22. Oklahoma Refining Company	Cyril	OK	12,750	12/84	12/84	2,600	-	7,500	1,000
" " "	"	"				-	-	-	-
23. Okmulgee Refining Company	Okmulgee	OK	25,000	12/82	6/82	3,200	-	8,000	2,000
24. Phillips Petroleum Company	Kansas City	KS	80,000	9/82	8/82	23,500	-	33,500	16,700
" " "	" "	"				-	-	-	-
25. Texaco Inc.	Lawrenceville	IL	79,000	12/85	4/85	25,000	-	34,000	10,000
26. Texaco Inc.	Lockport	IL	72,000	10/81	4/81	15,000	27,000[1]	30,000	9,000
" "	"	"				-	-	-	-
27. Texas American Petrochemical Inc.	West Branch	MI	11,500	2/82	9/81	-	-	-	-
28. Tonakawa Refining Company	Arnett	OK	12,000	9/84	6/84	-	-	6,000	-
29. Tosco Corp.	Duncan	OK	47,000	12/84	6/83	30,000	11,500[1]	27,000	-
30. Wireback Oil Company	Plymouth	IL	1,800	3/81	2/81	-	1,800[6]	-	-
Total			985,750			316,500	65,400	359,900	64,200

1981 through 1985, COMPLETE REFINERIES

CAPACITY (Stream Day)				PRODUCTION CAPACITY (Barrels per Stream Day)					
Catalytic Reforming	Catalytic Hydrocracking	Catalytic Hydrorefining	Catalytic Hydrotreating	Alkylation	Asphalt	Aromatics/ Isomerization	Lubes	Hydrogen (MMCFD)	Coke
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	11,500	-	-	-	-
11,000[2]	-	14,000[10]	11,000[5]	2,000	5,500	2,200	-	-	-
-	-	1,200[3]	-	-	-	4,000[9]	-	-	-
-	-	-	-	-	-	-	1,400	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
2,000[2]	-	-	-	-	-	-	1,326	-	-
-	-	-	-	-	-	-	-	-	-
11,500[2]	-	-	12,500[5]	-	-	-	-	-	-
800[2]	-	-	-	-	-	-	2,200	-	-
25,300	-	15,200	23,500	2,000	17,000	6,200	4,926	-	-
-	-	-	-	-	2,500	-	1,000	-	-
14,000[14]	-	-	17,000[5]	5,500	10,800	-	-	-	-
16,000[14]	-	-	2,500[4]	5,000	6,500	-	-	-	4,000
-	-	-	38,000[3]	-	-	-	-	-	-
-	-	-	21,000[5]	-	-	-	-	-	-
-	-	-	-	-	6,500	-	-	-	-
3,000[2]	-	-	3,000[5]	-	3,500	-	-	-	-
-	-	-	-	-	-	-	-	-	-
15,000[2]	-	-	-	4,500	-	6,000[9]	-	-	1,300
3,600[2]	-	-	3,600[5]	-	-	-	-	-	-
-	-	750[14]	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
20,000[2]	-	18,000[10]	20,000[5]	6,000	9,000	-	-	-	-
-	-	27,000[3]	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
11,000[2]	-	-	5,500[3]	5,500	3,000	-	-	-	-
-	-	-	11,000[5]	-	-	-	-	-	-
4,650[14]	-	-	-	2,400	-	-	-	-	2,000
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
10,400[14]	-	-	12,500[5]	3,400	8,000	-	-	-	-
12,500[2]	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
4,000[2]	-	-	2,000[4]	1,300	1,100	-	-	-	-
-	-	-	6,000[5]	-	-	-	-	-	-
-	-	-	-	1,500	1,800	-	-	-	-
21,000[2]	-	-	32,000[3]	9,500	6,200	-	2,900	-	-
-	-	-	30,000[5]	-	-	-	-	-	-
24,000[2]	-	-	5,000[3]	6,600	2,700	-	-	-	-
19,000[2]	-	-	16,000[3]	8,000	-	-	-	-	1,500
-	-	-	20,000[5]	-	-	-	-	-	-
2,000[14]	-	-	1,200[3]	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
8,000[2]	-	-	8,500[4]	5,500	-	-	-	-	3,000
-	-	-	-	-	-	-	-	-	-
188,150	-	45,750	254,800	64,700	61,600	6,000	3,900	-	11,800

U.S. REFINERY CAPACITY SHUTDOWN INOPERABLE

Refinery	Location		Crude Cp. B/CD	Shut-down	Date of Last	CHARGE (Barrels per Vacuum Distil-	Thermal	Catalytic Cracking	Catalytic Cracking
PAD District 1:	City	State	Shutdown	Date	Operation	lation	Operation	(Fresh)	(Recycle)
1. Adobe Refining Company	La Blanca	TX	5,200	12/81	11/81	-	-	-	-
2. Bayou State Oil Corporation	Houston	LA	3,000	3/82	1/81	-	-	-	-
3. Brio Refining Inc.	Friendswood	TX	12,500	12/82	9/82	-	-	-	-
4. Bronco Refining Company	Houston	TX	2,250	7/82	4/81	-	-	-	-
5. Carbonit Refining Inc.	Hearne	TX	11,000	12/81	2/81	-	-	-	-
6. Caribou-Four Corners Inc.	Farmington	NM	2,200	8/84	5/82	-	-	-	-
7. Celeron Oil & Gas Company	Mermentau	LA	11,000	8/84	2/83	-	-	-	-
8. Clinton-Marages	Palestine	TX	6,000	7/82	7/81	-	-	-	-
9. Conoco Inc.	Alvin	TX	33,274	12/85	10/85	-	-	-	-
10. Cyprus Refining Company	Ingleside	TX	11,100	2/82	9/81	-	-	-	-
11. Dawson Gas Processing Corp.	White Deer	TX	0	5/85	2/85	-	-	-	-
12. Dow Chemical U.S.	Freeport	TX	190,000	6/82	8/81	-	-	-	-
" " "	"	"				-	-	-	-
13. Dorchester Refining Company	Mt. Pleasant	TX	26,500	12/84	9/84	14,000	-	9,600	2,200
" " "	"	"				-	-	-	-
14. Eagle Refining Corporation	Jacksboro	TX	1,800	7/82	3/81	-	-	-	-
15. Eddy Refining Company	Houston	TX	3,250	11/84	10/84	-	-	-	-
16. Ericksen Refining Corporation	Port Neches	TX	30,000	8/83	12/81	-	-	-	-
17. Evangeline Refining Company	Jennings	LA	4,500	12/82	12/82	-	-	-	-
18. Flint Chemical Co.	San Antonio	TX	1,500	3/85	1/85	-	-	-	-
19. GHR Energy Corporation	Good Hope	LA	500,000	9/83	12/82	200,000	120,000 8/	110,000	-
20. Giant Industries Inc.	Farmington	NM	13,500	11/82	5/82	-	-	-	-
21. Gulf Oil Corporation	Venice	LA	28,700	12/81	4/81	-	-	-	-
22. Independent Refining Corporation	Winnie	TX	50,000	8/83	10/81	20,000	6,000 8/	-	-
23. International Processors	St. Rose	LA	28,356	2/85	9/82	-	-	-	-
24. Lake Charles Refining Company	Lake Charles	LA	28,000	2/82	4/81	-	-	-	-
25. Listo Refining Company	Donna	TX	3,500	12/82	7/82	-	-	-	-
26. Longview Refining Company	Longview	TX	14,000	4/82	12/81	4,000	-	-	-
" " "	"	"				-	-	-	-
27. Mallard Resources Inc.	Gueydan	LA	7,400	12/83	11/83	-	-	-	-
28. Marion Corporation	Theodore	AL	25,000	9/83	3/83	-	-	-	-
" "	"	"				-	-	-	-
29. McTan Refining Corporation	St. James	LA	19,300	8/83	7/81	-	-	-	-
30. Mid-Gulf Energy Corp.	Ingleside	TX	39,400	5/84	10/83	20,000	-	-	-
31. Natchez Refining Company	Natchez	MS	16,000	9/82	6/82	-	-	-	-
32. Petraco-Valley Oil & Refining Co.	Brownsville	TX	12,300	12/83	3/83	-	-	-	-
33. Placid Oil Company	Mont Belvieu	TX	8,500	7/82	1/82	-	-	-	-
34. Port Petroleum Inc.	Stonewall	LA	3,200	2/84	12/83	-	-	-	-
35. Quintana Petrochemical Company	Corpus Christi	TX	33,300	9/84	7/84	8,000	-	-	-
36. Quitman Refining Company	Quitman	TX	6,600	6/82	4/82	-	-	-	-
37. Rio Grande Crude Refining	Brownsville	TX	9,500	6/82	6/81	-	-	-	-
38. Rio Grande Recovery Systems Inc.	Brownsville	TX	1,000	2/82	5/81	-	-	-	-
39. Schulze Processing Inc.	Tallulah	LA	1,760	8/82	5/81	-	-	-	-
40. Shepard Oil Company	Jennings	LA	10,000	2/82	5/81	-	-	-	-
41. Shore, Inc.	Kilgore	TX	550	7/83	3/83	-	-	-	-
42. Sooner Refining Company	Darrow	LA	8,000	2/82	1/82	-	-	-	-
" " "	"	"				-	-	-	-
" " "	"	"				-	-	-	-
43. Southern Union Refining Company	Lovington	NM	36,100	11/84	8/84	10,000	-	-	-
44. Southern Union Refining Company	Monument	NM	5,400	10/81	1/81	-	-	-	-
45. Southland Oil Company	Yazoo City	MS	5,500	7/81	2/81	3,080	-	-	-
46. T & S Refining Company	Jennings	LA	10,500	3/82	7/81	-	-	-	-
47. Tesoro Petroleum Corp.	Carrizo Springs	TX	26,100	12/84	7/84	-	-	-	-
48. Texaco Refining & Marketing Inc.	Amarillo	TX	20,000	12/85	4/85	-	4,000 1/	8,000	2,400
49. Texas Refining Company	Midland	TX	2,500	6/81	4/81	-	-	-	-
50. Texas Standard Refining Inc.	Houston	TX	1,800	10/81	1/81	-	-	-	-
51. Thriftway Oil Company	Graham	TX	1,184	11/83	4/81	-	-	-	-
52. Tipperary Refining Company	Ingleside	TX	7,320	3/82	1/82	-	-	-	-
53. Tropicana Energy Co. (TAMCO)	Euless	TX	4,650	12/85	12/83	-	-	-	-
54. Vicksburg Refining Company	Vicksburg	MS	6,000	9/85	1/85	-	-	-	-
55. Wickett Refining Company	Wickett	TX	8,000	2/82	1/76	-	-	-	-
56. Warrior Asphalt Company	Holt	AL	5,500	12/84	8/83	2,000	-	-	-
Total			1,163,494			281,080	130,000	127,600	4,600

1981 THROUGH 1985, COMPLETE REFINERIES

CAPACITY (Stream Day)	PRODUCTION CAPACITY (Barrels per Stream Day)								
Catalytic Reforming	Catalytic Hydro-cracking	Catalytic Hydro-refining	Cataytic Hydro-treating	Alkylation	Asphalt	Aromatics/ Isomerization	Lubes	Hydrogen (MMCFD)	Hydrogen Coke
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,200 2/	-	-	1,200 4/	-	-	-	-	-	-
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1,000 14/	-	-	-	-	-	-	-	-	-
-	-	63,000 11/	-	-	-	-	-	65	-
-	-	80,000 3/	-	-	-	-	-	-	-
3,500 2/	-	-	6,000 3/	2,200	9,000	-	-	-	-
-	-	-	3,500 5/	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
3,000 14/	-	-	-	12,000	-	-	-	-	-
5,000 14/	-	-	-	-	-	-	-	-	-
18,000 2/	11,500	-	16,800 5/	-	-	-	-	-	-
16,000 2/	3,000	-	18,000 2/	-	-	300	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
4,000 2/	-	-	4,000 4/	-	-	2,000 9/	-	-	-
-	-	-	2,000 5/	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
4,500 2/	-	-	5,000 11/	-	-	-	-	-	-
-	-	-	5,000 6/	-	-	-	-	-	-
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18,000 2/	10,000	-	18,000 5/	-	-	5,500	-	25	-
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-	-	2,800 11/	-	-	-	-	-	-	-
-	-	28,000 3/	-	-	-	-	-	-	-
-	-	1,400 6/	-	-	-	-	-	-	-
-	-	-	8,500 3/	-	-	-	-	-	-
-	-	-	-	-	1,500	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	2,632	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,500 2/	-	-	-	-	-	-	-	-	-
5,000 2/	-	-	5,000 5/	1,500	-	-	-	-	500
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	3,000	-	-	-	-
82,700	24,500	175,200	93,000	15,700	16,132	7,800	-	90	500

U.S. REFINERY CAPACITY SHUTDOWN INOPERABLE

Refinery	Location City	State	Crude Cp. B/CD Shutdown	Shutdown Date	Date of Last Operations	CHARGE (Barrels per) Vacuum Distillation	Thermal Operation	Catalytic Cracking (Fresh)	Catalytic Cracking (Recycle)
PAD District 4:									
1. C & H Refinery Inc.	Lusk	WY	180	2/82	1/81	-	-	-	-
2. Caribou-Four Corners Inc.	Woods Cross	UT	8,400	12/84	12/82	2,000	-	-	-
3. Gary Refining Corp.	Fruita	CO	15,200	10/85	2/85	10,000	4,500[1/]	-	-
4. Glacier Park Company	Osage	WY	10,000	3/82	2/81	-	-	-	-
5. Glenrock Refinery Inc.	Glenrock	WY	6,000	9/81	4/81	-	-	-	-
6. Husky Oil Company	Cody	WY	11,500	9/82	6/82	6,900	-	4,000	1,200
" " "	"	"				-	-	-	-
7. Kenco Refining Inc.	Wolf Point	MT	4,700	12/85	10/85	-	-	-	-
8. Morrison Petroleum Company	Woods Cross	UT	6,000	12/85	12/85	-	-	-	-
9. Sage Creek Refining Company	Cowley	WY	1,000	6/82	1/82	-	-	-	-
10. Southwestern Refining Company	La Barge	WY	1,040	8/81	4/81	-	-	-	-
11. Texaco Inc.	Casper	WY	21,000	7/82	3/82	10,500	4,000[6/]	7,000	2,000
Total			85,020			29,400	8,500	11,000	3,200
PAD District 5:									
1. Anchor Refining	McKittrick	CA	9,000	2/84	11/82	7,000	-	-	-
2. Arizona Fuels Corporation	Fredonia	AZ	6,000	9/83	2/83	-	-	-	-
3. Coastal Petroleum Refiners Inc.	Bakersfield	CA	10,000	12/85	6/85	-	-	-	-
4. Demenno-Kerdoon	Compton	CA	10,000	8/83	1/83	2,000e/	-	-	-
5. ECO Petroleum Inc.	Long Beach	CA	0	3/84	7/81	7,000	-	-	-
6. Golden Eagle Refining Co., Inc.	Carson	CA	16,170	2/85	11/84	-	-	-	-
7. Marlex Oil & Refining Company	Los Angeles	CA	21,100	3/84	1/84	-	-	-	-
8. Powerine Oil Company	Santa Fe Springs	CA	44,120	8/84	6/84	23,000	10,000[1/]	11,500	500
" " "	" " " "	"				-	-	-	-
" " "	" " " "	"				-	-	-	-
" " "	" " " "	"				-	-	-	-
" " "	" " " "	"				-	-	-	-
9. Quad Refining Corporation	Bakersfield	CA	7,000	10/81	8/80	-	-	-	-
10. Road Oil Sales Inc.	Bakersfield	CA	6,000	12/81	1/81	-	-	-	-
11. Tosco Corporation	Bakersfield	CA	38,800	11/84	11/83	23,500	7,000[13/]	12,000	-
12. United Independent Oil Company	Tacoma	WA	730	3/82	7/80	-	-	-	-
13. USA Petrochemical Corporation	Ventura	CA	24,000	12/84	12/84	-	-	-	-
Total			192,920			62,500	17,000	23,500	500
120 Grand Total:			2,615,464			740,660e/	220,900	563,000	78,500

e/ Estimated.

1/ Delayed Coking
2/ Bi-Metallic
3/ Distillate
4/ Naphthas
5/ Reformer Feeds
6/ Other
7/ Gas Oil
8/ Visbreaking
9/ C5 and C6
10/ Heavy Gas Oil
11/ Residual
12/ C4
13/ Fluid Coking
14/ Conventional

Sources: DOE, Petroleum Supply Annuals, Volume I, various other DOE publication and Public Announcements.

1981 THROUGH 1985, COMPLETE REFINERIES

CAPACITY (Stream Day)				PRODUCTION CAPACITY (Barrels per Stream Day)					
Catalytic Reforming	Catalytic Hydro-cracking	Catalytic Hydro-refining	Catalytic Hydro-treating	Alkylation	Asphalt	Aromatics/ Isomerization	Lubes	Hydrogen (MMCFD)	Coke (Short tons/day)
-	-	-	-	-	-	-	-	-	-
2,500[2]	1,200	-	2,500[4]	-	-	-	-	-	-
3,400[2]	6,000	-	3,200[5]	-	-	-	-	8	900
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,800[2]	-	-	1,800[4]	800	4,500	-	-	-	-
-	-	-	2,100[3]	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
4,000[2]	-	4,000[10]	4,000[5]	-	1,500	-	-	-	625
11,700	7,200	4,000	13,600	800	6,000	-	-	8	1,525
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	1,030	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	4,550	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
8,000[2]	7,700	-	8,000[4]	2,400	4,000	1,200[12]	-	18	3,250
-	-	-	8,000[3]	-	-	-	-	-	-
-	-	-	8,000[5]	-	-	-	-	-	-
-	-	-	10,000[10]	-	-	-	-	-	-
-	-	-	5,400[6]	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
16,500[2]	14,000	-	7,000[5]	2,000	-	-	-	20	1,250
-	-	-	-	-	-	-	-	-	-
7,000[2]	-	-	-	-	-	-	-	11	-
31,500	21,700	-	46,400	4,400	9,580	1,200	-	49	4,500
339,350	53,400	240,150	431,300	87,600	110,312	21,200	13,852	147	18,325